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2022 3rd International Conference on Wireless Communications and Big Data : Submission (2) has been edited.

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Tue, Jan 18, 2022 at 1:09 AM

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Hello,

The following submission has been edited.

Track Name: CWCBD2022

Paper ID: 2

Paper Title: A Comparative Study of Sentimental Analysis on Bangla Noisy Texts

Abstract:

The fact that people have sentiments is perhaps the most significant distinction between robots and humans. Researchers have been working on ways to imitate sentimentality in computers for decades. The primary goal of sentiment analysis is to identify the polarity of a given text at the document, phrase, or aspect level, that is, to determine whether the stated sentiment in a document, sentence, aspect is positive (happy), negative (sad), neutral (memorable), and so on. The majority of recent SA research in natural language processing (NLP) has concentrated on the English language. Because of the rich grammatical structure of the text, a few notable studies have been conducted in the Bangla language sector. However, it should also be highlighted that Bangla lacks a comprehensive dataset that is both broad and consistent. As a consequence, current research projects including Bangla have failed to yield findings that are similar to those produced by researchers in other languages and reusable for future study. The motive of this paper is to find a model that can classify sentiments from the noisy Bangla dataset more effectively than the existing models. A recently introduced noisy Bangla text dataset has been inspected in our work. Three categorical machine learning models namely classical, neural network, and transformers that are prevalent in NLP tasks have been evaluated. The experimental outcome showed that the classical machine learning model Support Vector machine with merged n-gram feature extractors performed preferably in contrast with the models in the same category and other categories of approaches implemented.

Created on: Mon, 17 Jan 2022 15:27:27 GMT

Last Modified: Mon, 17 Jan 2022 19:09:20 GMT

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Secondary Subject Areas: Not Entered

Submission Files: CWCBD2022_paper.pdf (73 Kb, Mon, 17 Jan 2022 19:09:13 GMT)

Submission Questions Response: Not Entered

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